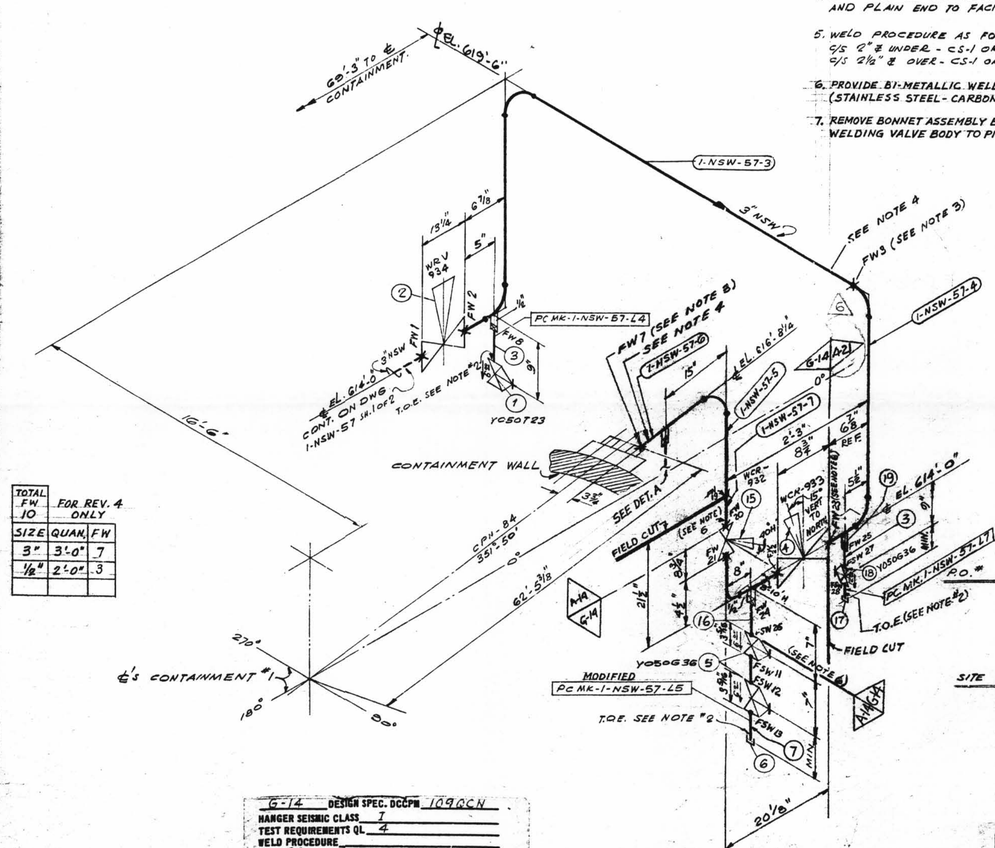

NOTES:

1. BUTT WELDS: RT - 100% TESTING.
   SOCKET WELDS: PT - 100% TESTING.
2. USE CRANE 425-A COMPOUND ON ALL THREADED CONNECTIONS.
3. FIELD WELDS REFERENCED TO THIS NOTE ARE TO BE MADE AFTER PIPE IS CUT, PRE-ALIGNED & ENDS HAVE BEEN PREPARED FOR WELDING, TO SUIT AS-BUILT CPN
4. SPOOL TO BE FABRICATED WITH 6" EXTRA PIPE AND PLAIN END TO FACILITATE INSTALLATION
5. WELD PROCEDURE AS FOLLOWS:
   C/S 2" & UNDER - CS-1 OR CS-6
   C/S 2½" & OVER - CS-1 OR CS-2.
6. PROVIDE BI-METALLIC WELDS. (STAINLESS STEEL - CARBON STEEL)
7. REMOVE BONNET ASSEMBLY BEFORE WELDING VALVE BODY TO PIPE LINE.

MATERIAL 150 SH. No. 1856

QSL	ITEM	QTY.	SIZE	DESCRIPTION	TAG No. OR ASTM MAT'L.	HEAT NO.
01	1	1	½"	200# SCRD GLOBE VA. BRONZE OR BRASS	Y050723	
	2	1	3"	AIR OPER. REGULATING VA. B.W.	WRV-934	
	3	AS REQ'D	½"	PIPE (SCH. 80) SMLS CS.	A-106 GR. B	
01	19	1	½"	3000# C.S. HALF CPLG.	A-181 GR. I OR II	
04	4	1	3"	B.W. DIAPH. CONTROL VALVE, S.S.	WCR-933	
	5	2	½"	600# C.S. S.W. GATE VA.	Y050G36	
	6	2	½"	3000# C.S. SCR'D CAP	A-181 GR. I OR II	
	7	AS REQ'D	½"	PIPE (SCH. 80) SMLS C.S.	A-106 GR. B.	
	8					
04	9	1	½"	600# C.S. SW GLOBE VALVE	Y-050736	
	15	1	3"	B.W. DIAPH. CONTROL VALVE, S.S.	WCR-932	
	16	AS REQ'D	½"	PIPE (SCH. 40S) SMLS., S.S.	A-312 GR. TP 304	
	17	1	½"	3000# C.S. SCR'D CAP	A-181 GR. I OR II	
01	18	1	½"	600# S.W. GATE VALVE C.S.	Y050G36	

CONT. SEE

REV.	DATE	DR	DESCRIPTION	PRESERVICE
1	7/19/79	PA	REVD.; ITEM #5 Y050G36 WAS CY050G36 - REVD. BY A.E.P.	NO ACTION REQ'D.
2	1-20-76	MM	REVISED BY A.E.P. DESIGN PER REC-DC-82-671 TO REFLECT AS BUILT PIPING. CHECK VALVE WAS ADDED.	Hold Tickler
3	9/2/70	H.B. LB	PER REC #12-1488 DELETE ITEM (8) & ADDED ITEM (10) (11) (12) (13) (14). SEE DETAIL "B"	FIELD ACTION REQ'D.
4	1/13/82	WT DA	PER REC-DC-12-2549 ADDED PIPE SPEC. G-14, DIM'S. R, MK'S 7 & LT., FIELD WELD BOX, NOTES 5 & 7, FIELD WELDS 19 THRU 28, FSW 26 THRU 28, ITEM NOS. 18 TO 19 TO B/M, DELETED DET. "B", ITEM NOS. 10 THRU 14 FROM B/M. REVISED ITEM # 16 B/M - MODIFIED PC MK L5.	MF. FIELD ACTION REQ'D.
5	1/28/82	JM EG	PER REC #12-DC-2549 ADDED ANGLE 8"S10"H220# WIR.	MF NO ACTION REQ'D
6	7/27/82	EM JM	PER REC #12-DC-2549 SPEC A81 WAS A-14 & WCR-933	MF NO ACTION REQ'D

TOTAL FW JO	FOR REV. 4 ONLY	
SIZE	QUAN.	FW
3"	3'-0"	7
½"	2'-0"	3

PIECE MARK
1-NSW-57-3
-4
-5
-6
-7

SITE FAB. PIECE MARK
1-NSW-57-L4
-L5
-L6
-L7

LABOR COST CONTROL USE ONLY WITH	
PIPE SIZE	
SCHEDULE	
TYPE	
ISO START DATE	
ISO FINISH DATE	
WORK OPERATION	LINE ITEM NUMBER
HANGER INST.	
ERECT	
WELD	
RADIO-G – X-RAY	
STRESS RELIEVE	
MISC. WORK	

LABOR COST CONTROL USE ONLY WITH	
PIPE SIZE	
SCHEDULE	
TYPE	
ISO START DATE	
ISO FINISH DATE	
WORK OPERATION	LINE ITEM NUMBER
HANGER INST.	
ERECT	
WELD	
RADIO-G – X-RAY	
STRESS RELIEVE	
MISC. WORK	

N.P.S. DESIGNS

FABRICATOR NOTE: FABRICATION MUST CONFORM TO LATEST A.S.M.E. ASME. CODES.

G-14 DESIGN SPEC. DCCPN 109QCN
HANGER SEISMIC CLASS 1
TEST REQUIREMENTS QL 4
WELD PROCEDURE
QSL 04 TESTING SEE NOTE 1

A-81 DESIGN SPEC. DCCPN 102QCS
HANGER SEISMIC CLASS 1
TEST REQUIREMENTS QL N/A
WELD PROCEDURE SEE NOTE 6
QSL 01 TESTING N/A

A-312 DESIGN SPEC. DCCPN 103QCN
HANGER SEISMIC CLASS 1
TEST REQUIREMENTS QL 4
WELD PROCEDURE SEE NOTE 8
QSL 03 TESTING SEE NOTE #1

DESIGN SPEC.	SEE
HANGER SEISMIC CLASS	DESIGN
TEST REQUIREMENTS	CODE
MATERIAL CLASS	STAMP.

PIPE														
A-53		A-106		A-376		A-312								
		GR. B				GR. TP-304								
STD.	XT	XXY	10	20	30	40	60	80	100	120	140	160		
SMLS		WELD												

FITTINGS		
A-105	A-234	A-182
A-403	A-181	

TESTING				
N.D.T. SEE DESIGN CODE STAMP				
M.T.	P.T.	R.T.	U.T.	
PRESSURE TEST				
– MED. –	– PRESS.		DURATION	

ADDITIONAL

B.P. = BORING POINT
T.O.E. = THREAD ONE END
T.B.E. = THREAD BOTH ENDS
T.O.P. = TOP OF PIPE ELEV.
M.Q.L. = MATERIAL QUALITY REQUIREMENTS
T.L. = TRUE LENGTH

B.B.E. = BEVEL BOTH ENDS
P.O.E. = PLAIN ONE END
P.B.E. = PLAIN BOTH ENDS
S.O.E. = SOCKET ONE END
B.O.P. = BOTTOM OF PIPE ELEV.

FW = FIELD WELD
H = HORIZONTAL
A = AUTOMATIC SHOP WELD
M = MANUAL SHOP WELD
SW = SHOP WELD
FSW = FIELD SHOP WELD
FF = FACE OF FLANGE

B = FIELD WELD
O = AUTOMATIC SHOP WELD
M = MANUAL SHOP WELD
V = VERIFY DIMENSION IN FIELD

POUR/ZONE No. ICS
REQUIRED COMPLETION DATE
FABRICATED BY TUBECO

FLOW DIAGRAM M-1SI6A
O.S.L.'s SEE DESIGN
WELD PROCEDURE CODE STAMP

REVISION RECORD		
NO.	DATE	DESCRIPTION

1NSW-57 (sheet 2 of 2)
Upper Containment Ventilation
Unit 4 Supply Line

LIVSEY & COMPANY, INC.
DONALD C. COOK NUCLEAR PLANT

DWN. S.G.	DATE 11-7-79	CONTAIN. VENT.
CKD.	DATE 1-11	DWG. NO.
ISSUED		REV.
DES. DWG. & REV. DATE		1 NSW 57 S

D-08B